

Data Path : Z:\HPCHEM1\BNA_F\Data\BF111517\
 Data File : BF100584.D
 Acq On : 15 Nov 2017 13:29
 Operator : SJ/JU
 Sample : I6436-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 153RD-63RD-ST-DRUM

Quant Time: Nov 15 15:32:13 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 15 13:27:38 2017
 Response via : Initial Calibration

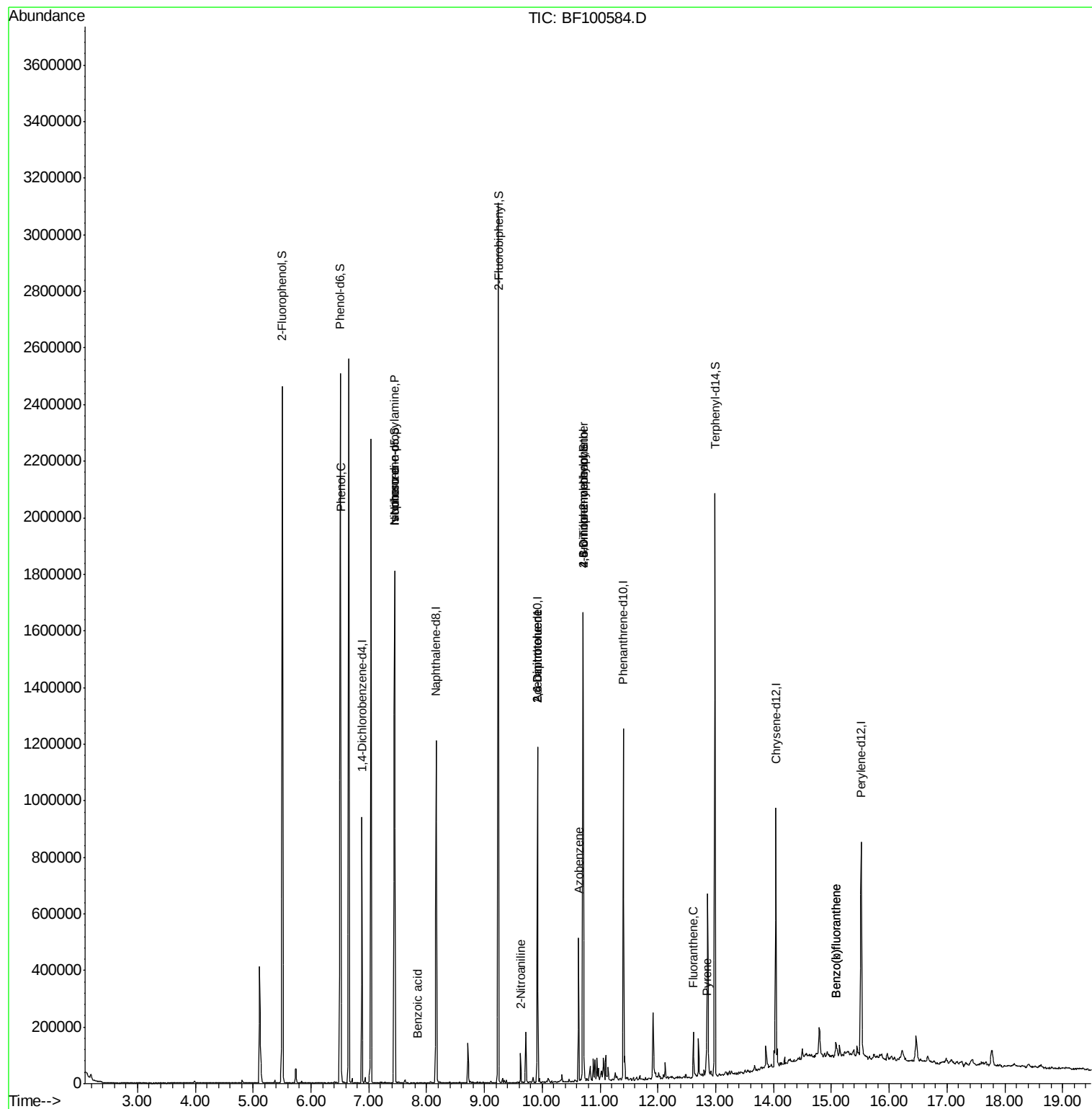
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	137943	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	539386	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	241454	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	409104	20.00	ng	0.00
75) Chrysene-d12	14.04	240	285912	20.00	ng	-0.01
86) Perylene-d12	15.52	264	296995	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	790210	91.83	ng	0.01
7) Phenol-d6	6.51	99	975272	91.91	ng	0.00
23) Nitrobenzene-d5	7.45	82	608422	74.58	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	230672	93.75	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	999719	63.05	ng	0.00
78) Terphenyl-d14	12.99	244	665767	53.50	ng	0.00
Target Compounds						
10) Phenol	6.52	94	40797	3.662	ng	97
19) n-Nitroso-di-n-propylamine	7.45	70	78768	10.703	ng	# 82
25) Isophorone	7.45	82	608180	35.474	ng	# 64
32) Benzoic acid	7.85	122	122	9.387	ng	# 1
47) 2-Nitroaniline	9.63	65	274	2.842	ng	# 1
50) 2,6-Dinitrotoluene	9.92	165	30803	8.441	ng	# 25
56) 2,4-Dinitrotoluene	9.92	165	30803	6.691	ng	# 23
62) Azobenzene	10.63	77	78460	4.516	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.70	198	442	8.746	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	14320	3.265	ng	# 1
74) Fluoranthene	12.62	202	58736	2.573	ng	95
77) Pyrene	12.84	202	47515	2.331	ng	97
87) Benzo(b)fluoranthene	15.08	252	35302	2.006	ng	95
88) Benzo(k)fluoranthene	15.08	252	35302	2.123	ng	97

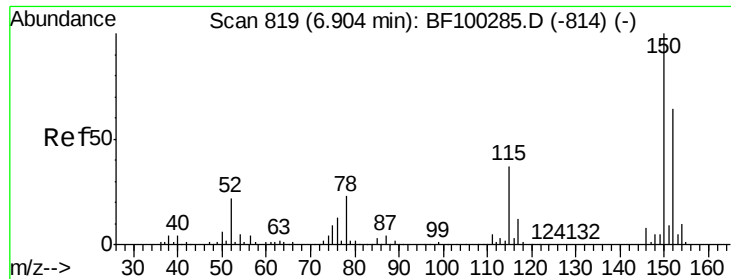
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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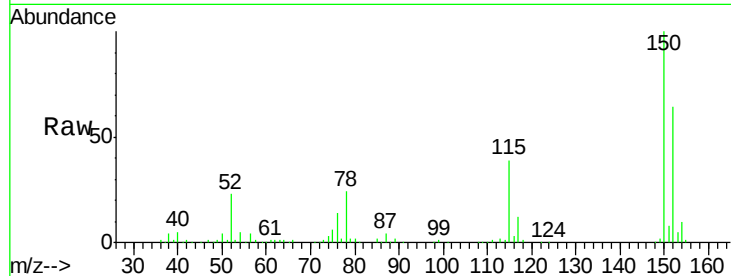


#1

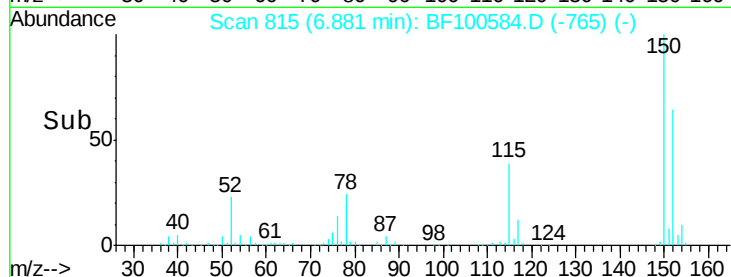
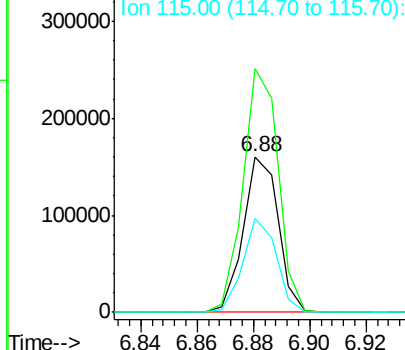
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF100584.D
Acq: 15 Nov 2017 13:29

Instrument :
BNA_F
ClientSampleId :
153RD-63RD-ST-DRUM

Tgt Ion:152 Resp: 137943
Ion Ratio Lower Upper
152 100
150 156.4 124.6 186.8
115 60.5 50.1 75.1



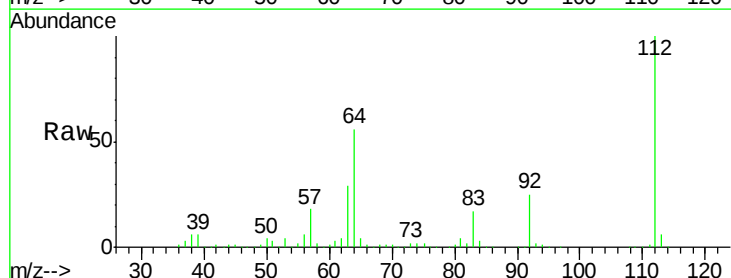
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



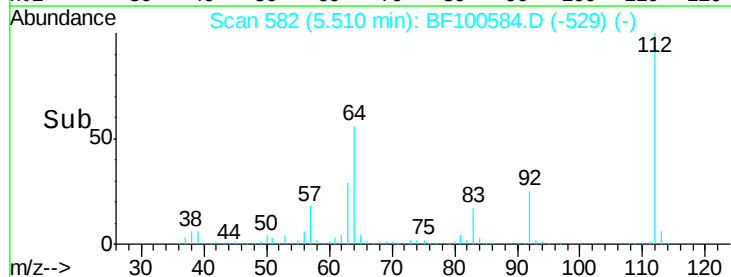
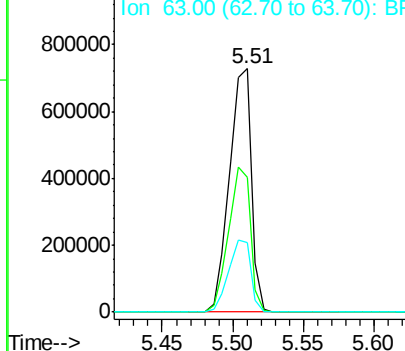
#5

2-Fluorophenol
Concen: 91.828 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF100584.D
Acq: 15 Nov 2017 13:29

Tgt Ion:112 Resp: 790210
Ion Ratio Lower Upper
112 100
64 55.6 47.9 71.9
63 28.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 91.907 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF100584.D

Acq: 15 Nov 2017 13:29

Instrument :

BNA_F

ClientSampleId :

153RD-63RD-ST-DRUM

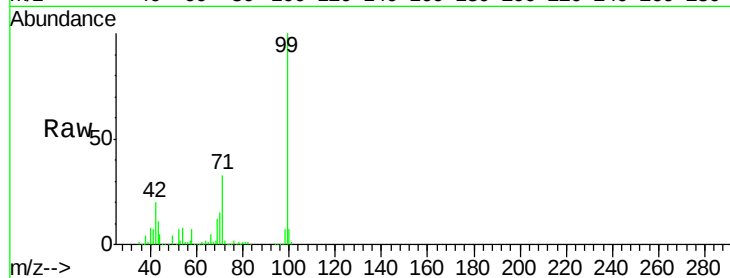
Tgt Ion: 99 Resp: 975272

Ion Ratio Lower Upper

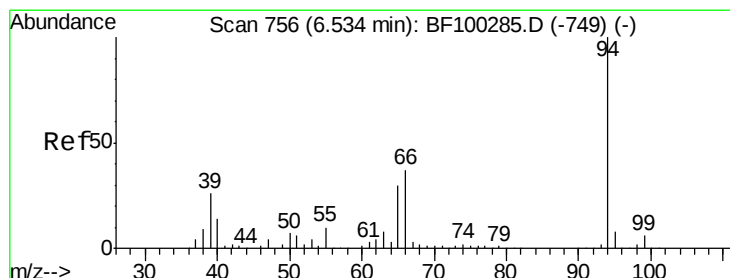
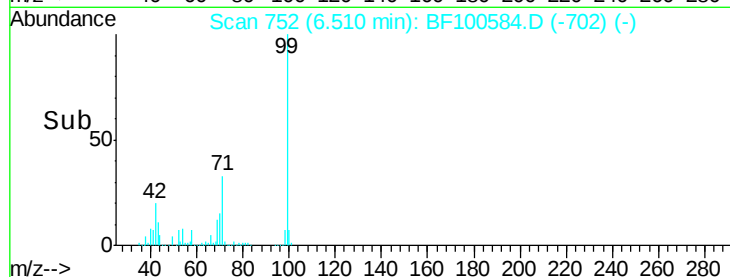
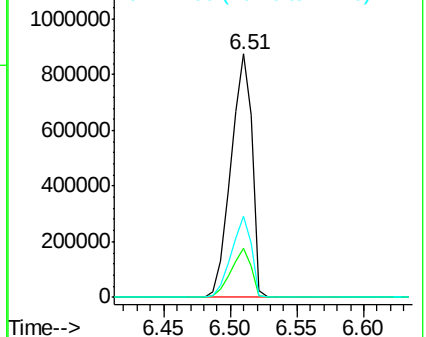
99 100

42 20.4 14.5 21.7

71 33.5 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.662 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF100584.D

Acq: 15 Nov 2017 13:29

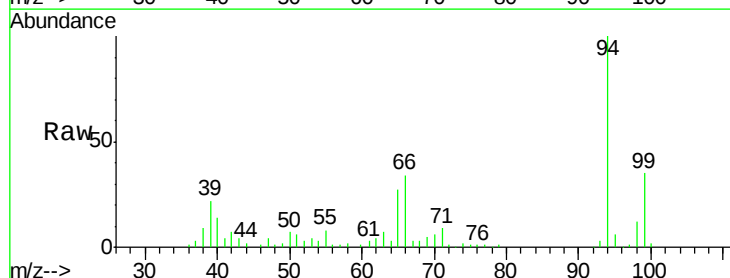
Tgt Ion: 94 Resp: 40797

Ion Ratio Lower Upper

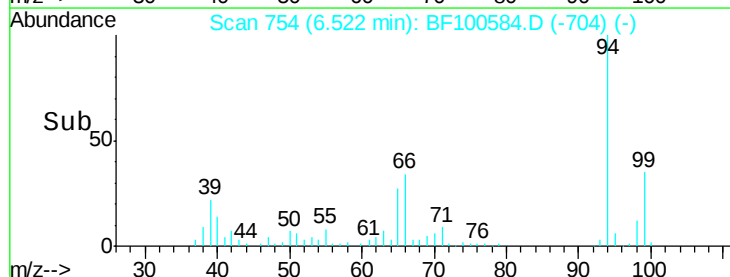
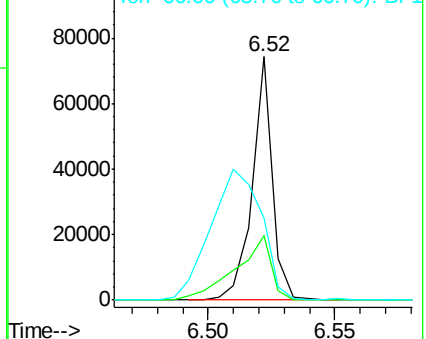
94 100

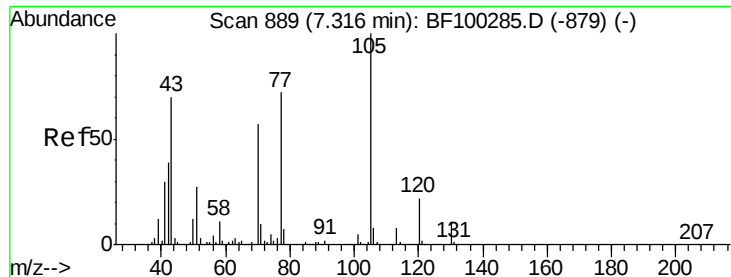
65 26.6 7.9 47.9

66 33.7 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

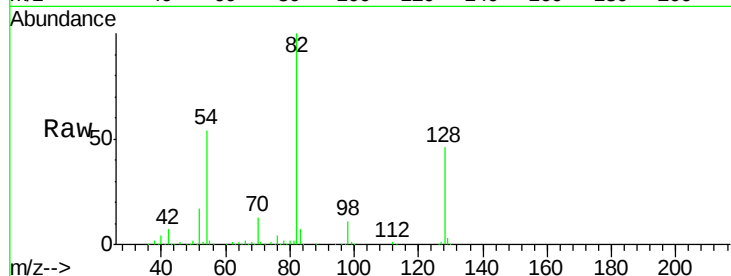




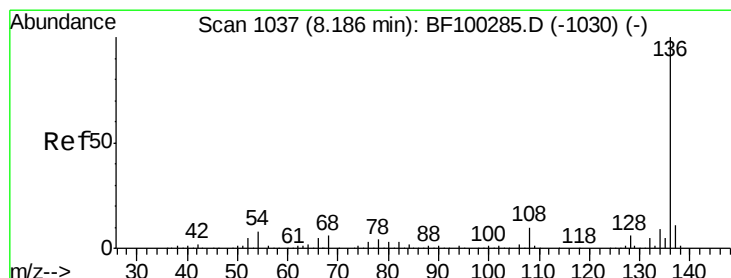
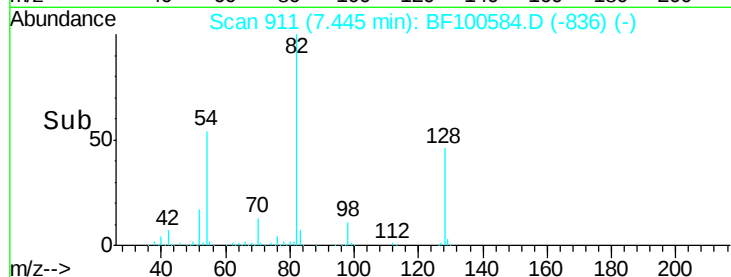
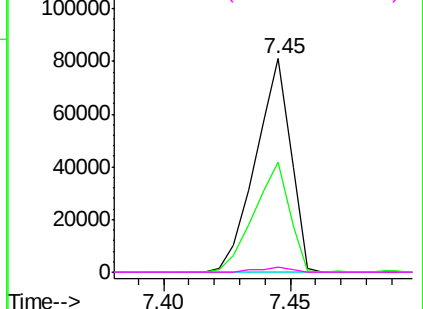
#19
n-Nitroso-di-n-propylamine
Concen: 10.703 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.14 min
Lab File: BF100584.D
Acq: 15 Nov 2017 13:29

Instrument :
BNA_F
ClientSampleId :
153RD-63RD-ST-DRUM

Tgt Ion: 70 Resp: 78768
Ion Ratio Lower Upper
70 100
42 51.8 47.5 71.3
101 0.0 7.4 11.2#
130 2.5 16.6 25.0#

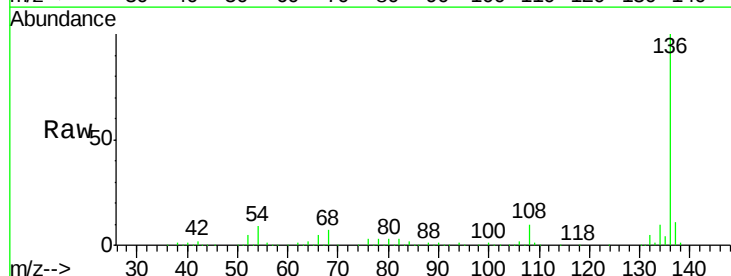


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

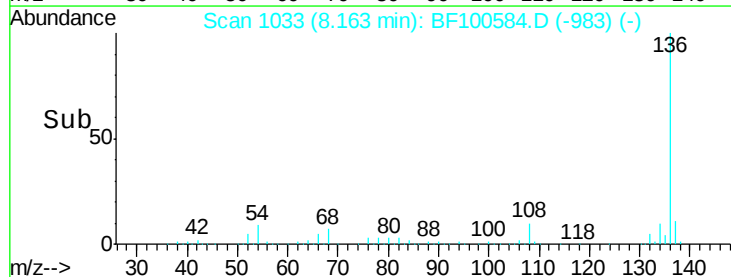
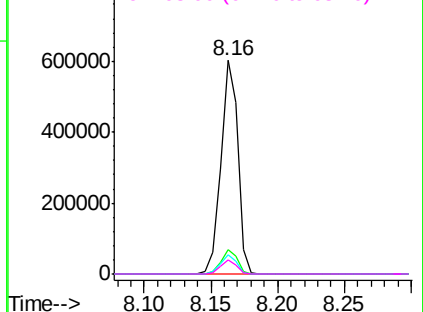


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF100584.D
Acq: 15 Nov 2017 13:29

Tgt Ion: 136 Resp: 539386
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 9.0 6.6 9.8
68 6.6 5.0 7.4



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

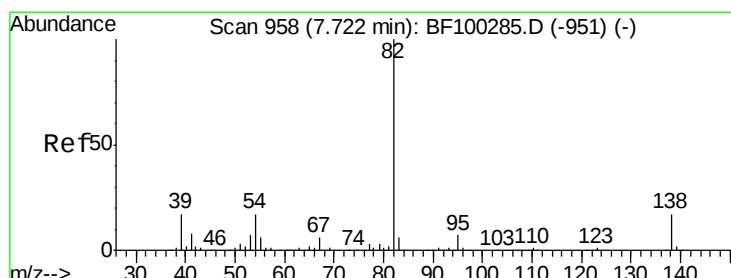
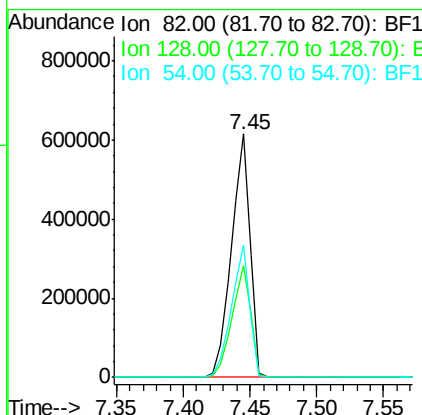
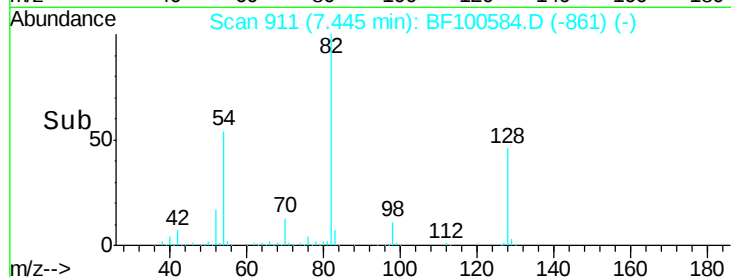
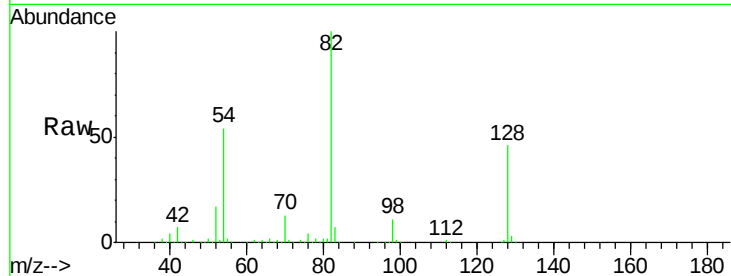




#23
Nitrobenzene-d5
Concen: 74.575 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF100584.D
Acq: 15 Nov 2017 13:29

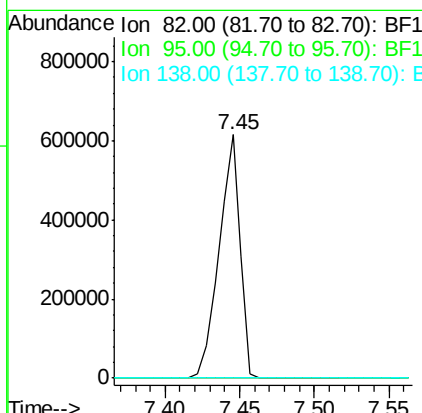
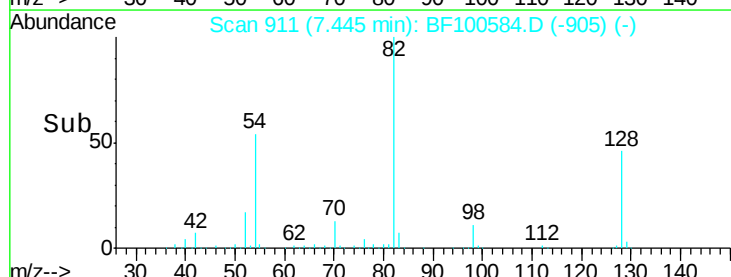
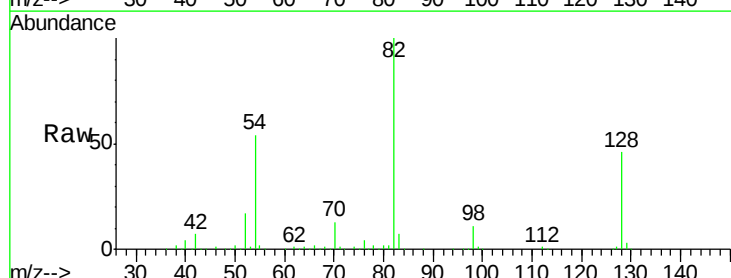
Instrument :
BNA_F
ClientSampleId :
153RD-63RD-ST-DRUM

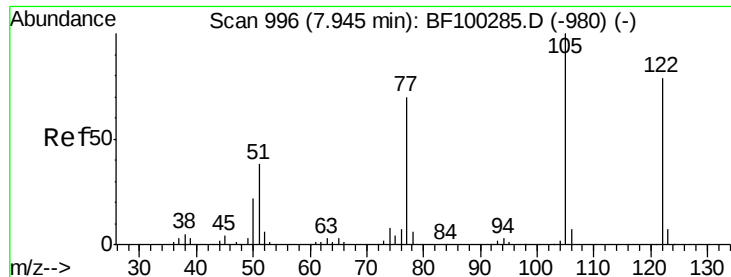
Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.0	36.1	54.1
54	54.5	41.4	62.2



#25
Isophorone
Concen: 35.474 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.26 min
Lab File: BF100584.D
Acq: 15 Nov 2017 13:29

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

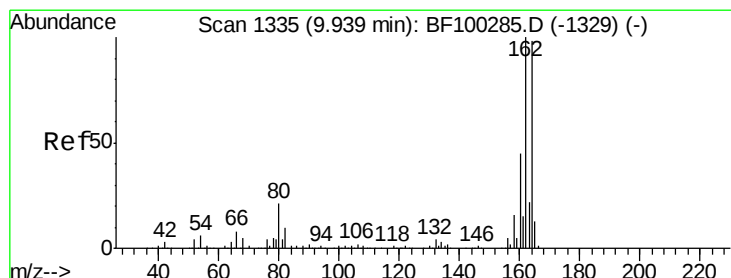
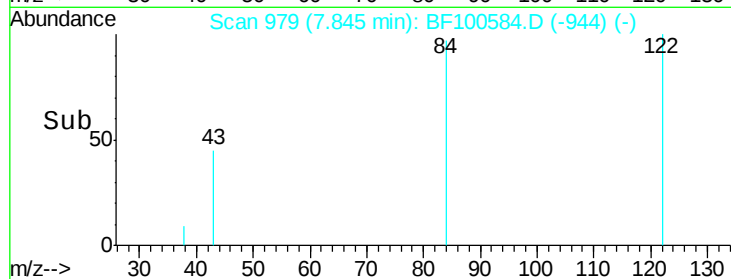
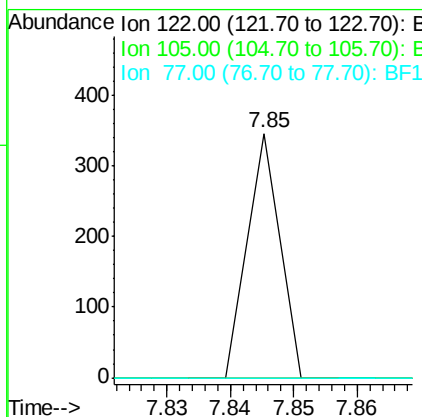
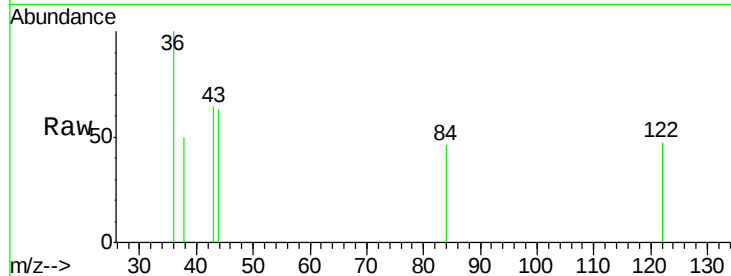




#32
Benzoic acid
Concen: 9.387 ng
RT: 7.85 min Scan# 979
Delta R.T. -0.09 min
Lab File: BF100584.D
Acq: 15 Nov 2017 13:29

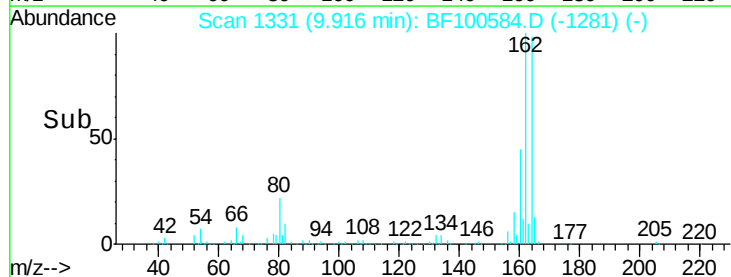
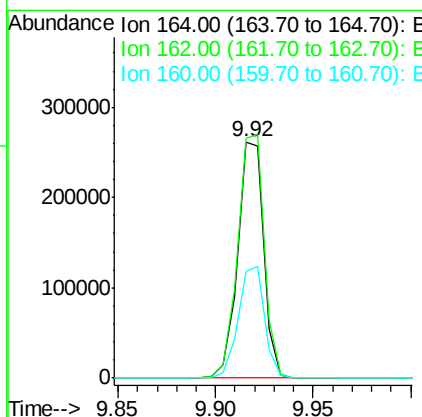
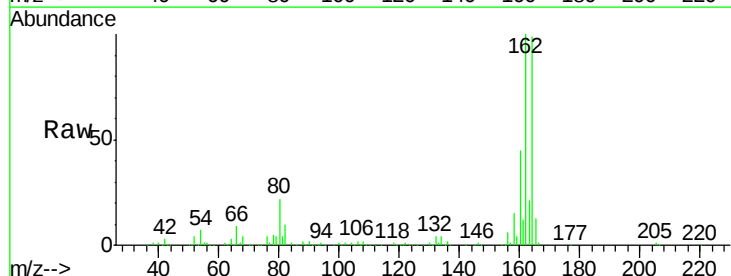
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BNA_F
ClientSampleId :
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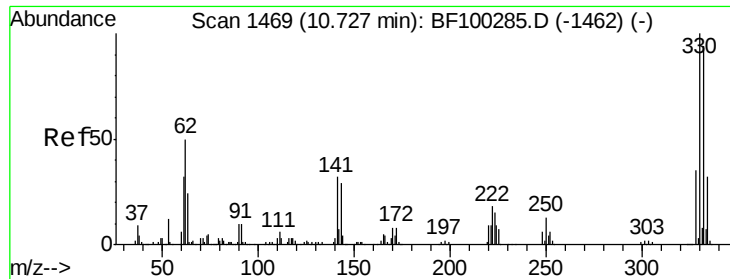
Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.1	141.1#
77	0.0	70.7	110.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF100584.D
Acq: 15 Nov 2017 13:29

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.5	86.1	129.1
160	45.2	38.3	57.5

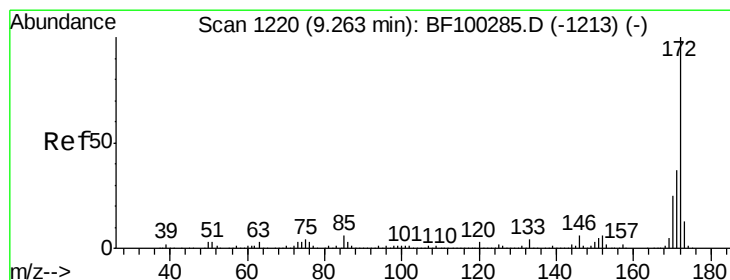
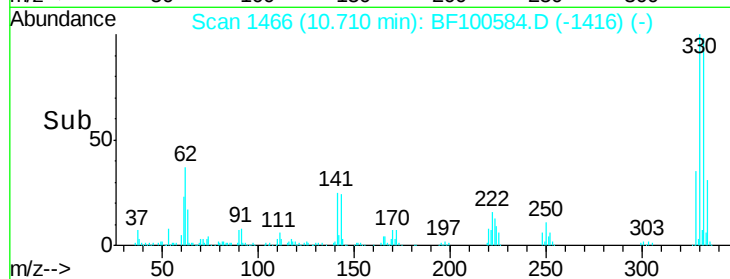
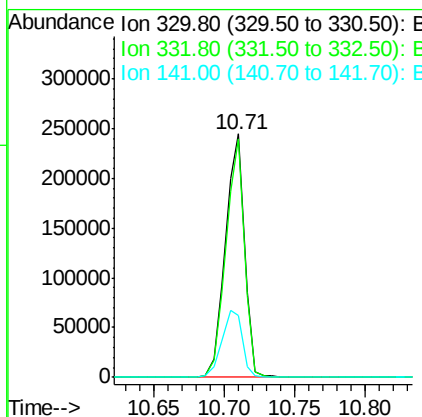
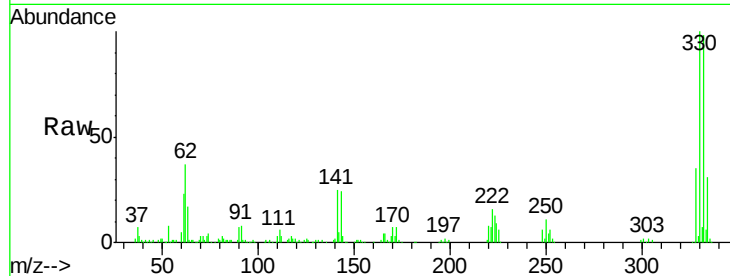




#41
 2,4,6-Tribromophenol
 Concen: 93.753 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF100584.D
 Acq: 15 Nov 2017 13:29

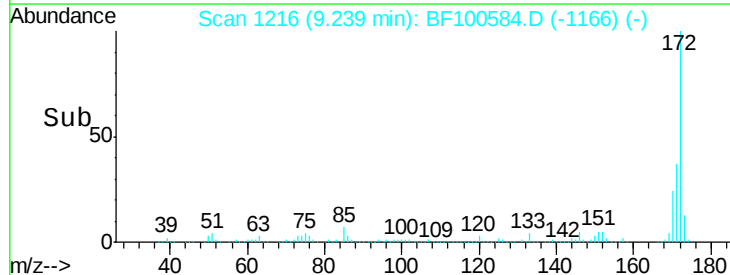
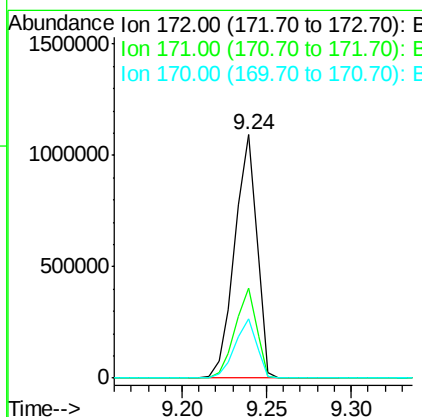
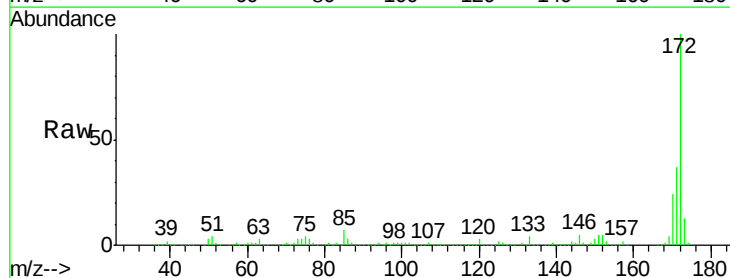
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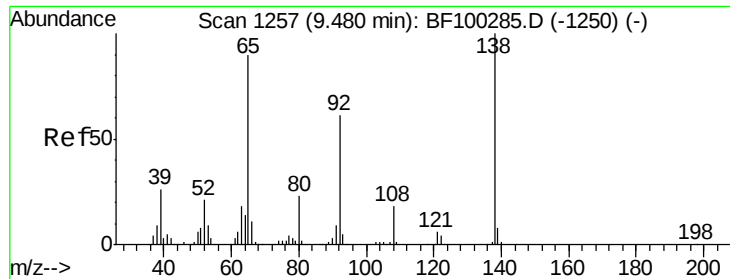
Tgt Ion: 330 Resp: 230672
 Ion Ratio Lower Upper
 330 100
 332 95.1 77.0 115.6
 141 29.3 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 63.047 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF100584.D
 Acq: 15 Nov 2017 13:29

Tgt Ion: 172 Resp: 999719
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.7 44.5
 170 24.3 19.6 29.4

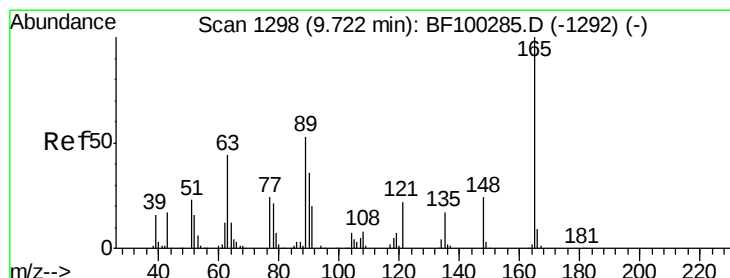
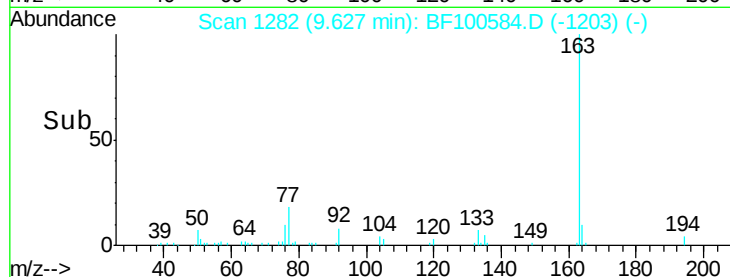
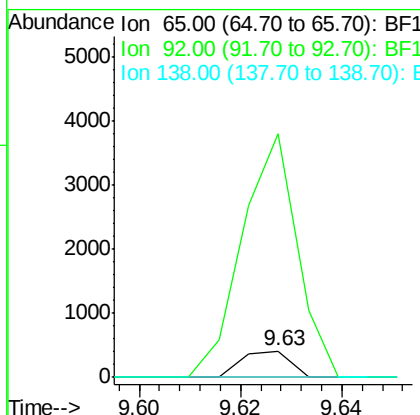
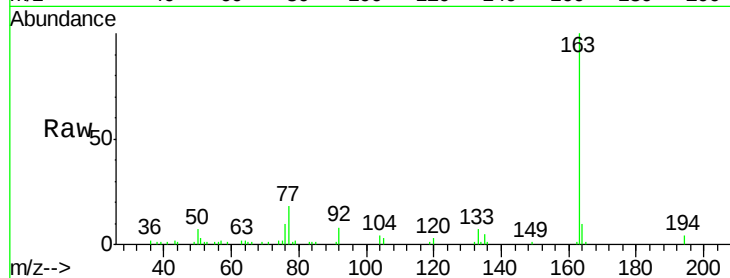




#47
2-Nitroaniline
Concen: 2.842 ng
RT: 9.63 min Scan# 1282
Delta R.T. 0.16 min
Lab File: BF100584.D
Acq: 15 Nov 2017 13:29

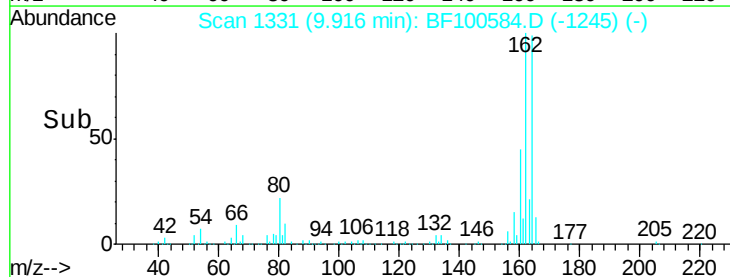
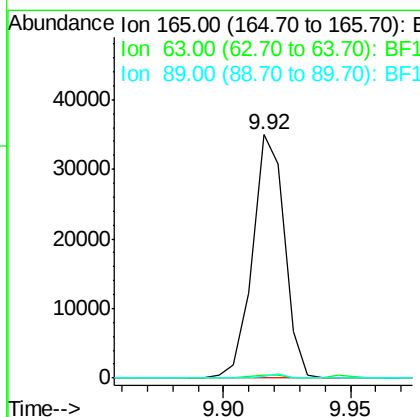
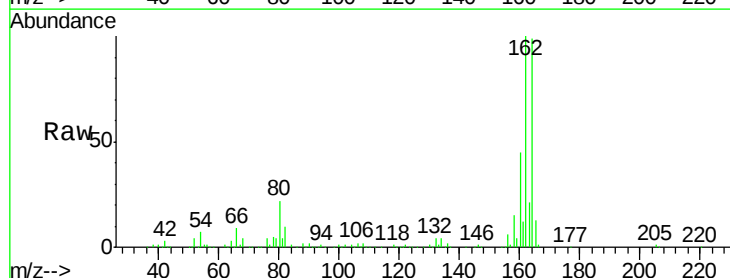
Instrument :
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153RD-63RD-ST-DRUM

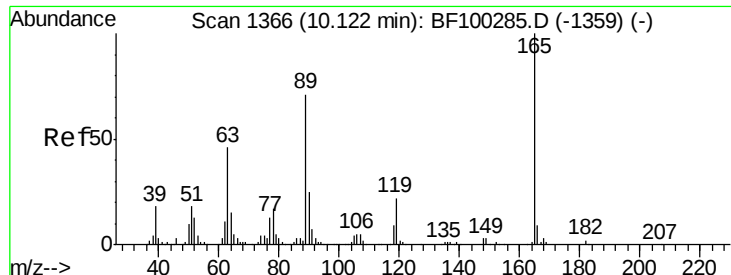
Tgt Ion: 65 Resp: 274
Ion Ratio Lower Upper
65 100
92 933.2 55.8 83.6#
138 0.0 91.2 136.8#



#50
2,6-Dinitrotoluene
Concen: 8.441 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.21 min
Lab File: BF100584.D
Acq: 15 Nov 2017 13:29

Tgt Ion: 165 Resp: 30803
Ion Ratio Lower Upper
165 100
63 1.3 44.7 67.1#
89 0.9 44.0 66.0#

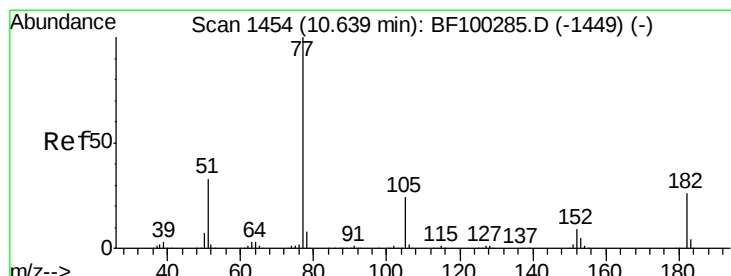
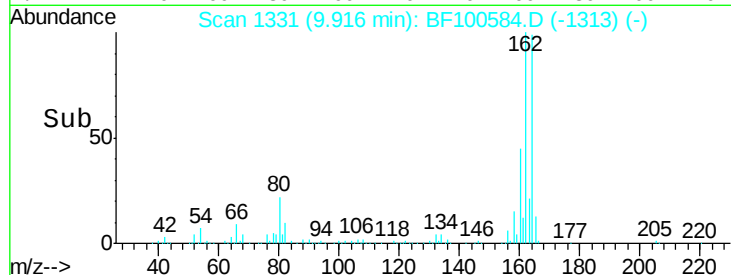
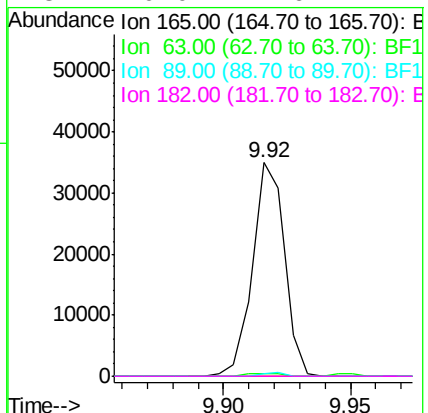
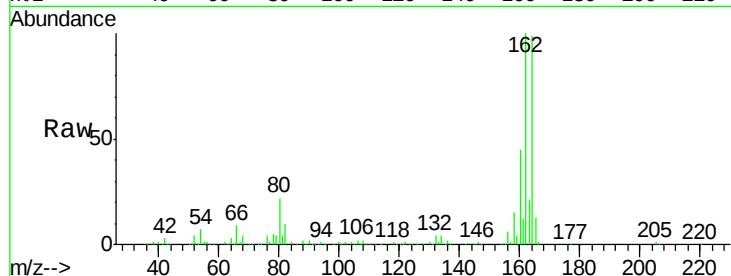




#56
 2,4-Dinitrotoluene
 Concen: 6.691 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF100584.D
 Acq: 15 Nov 2017 13:29

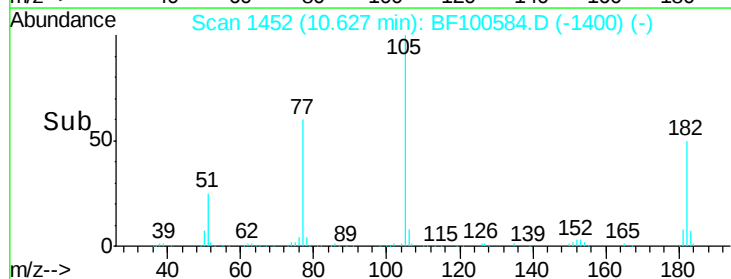
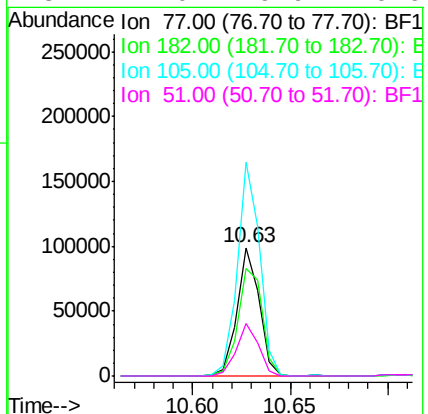
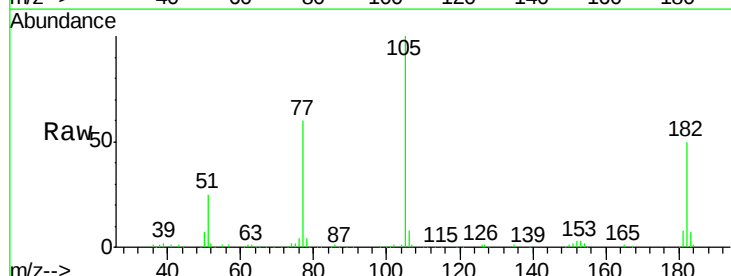
Instrument :
 BNA_F
 ClientSampleId :
 153RD-63RD-ST-DRUM

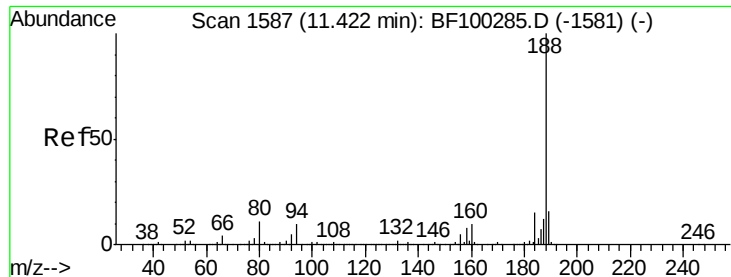
Tgt Ion: 165 Resp: 30803
 Ion Ratio Lower Upper
 165 100
 63 1.3 36.4 54.6#
 89 0.9 57.8 86.6#
 182 0.0 1.6 2.4#



#62
 Azobenzene
 Concen: 4.516 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.01 min
 Lab File: BF100584.D
 Acq: 15 Nov 2017 13:29

Tgt Ion: 77 Resp: 78460
 Ion Ratio Lower Upper
 77 100
 182 83.9 1.7 41.7#
 105 166.6 3.0 43.0#
 51 41.0 9.9 49.9





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF100584.D

Acq: 15 Nov 2017 13:29

Instrument :

BNA_F

ClientSampleId :

153RD-63RD-ST-DRUM

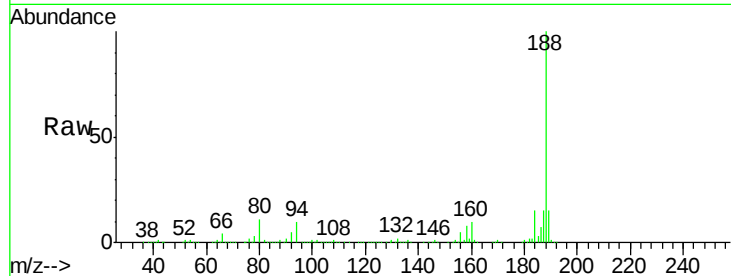
Tgt Ion:188 Resp: 409104

Ion Ratio Lower Upper

188 100

94 9.7 8.5 12.7

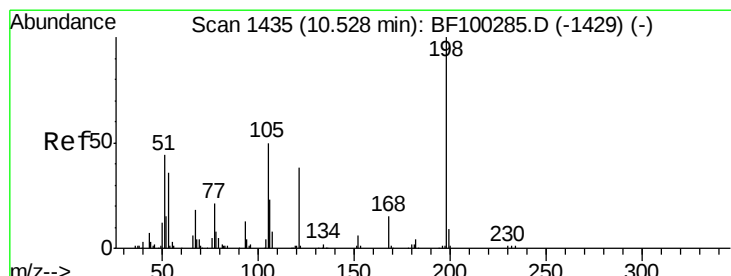
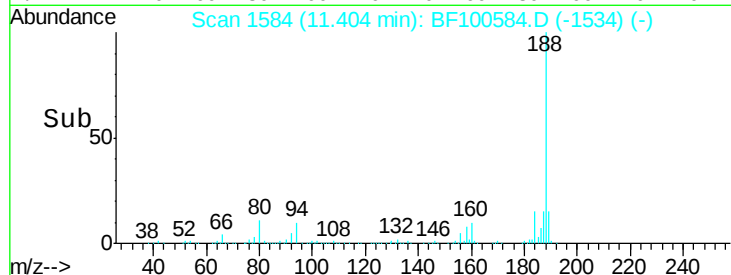
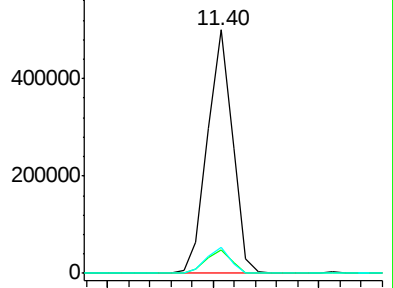
80 10.8 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 8.746 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.18 min

Lab File: BF100584.D

Acq: 15 Nov 2017 13:29

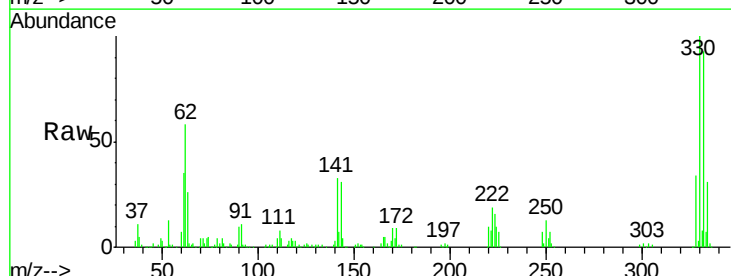
Tgt Ion:198 Resp: 442

Ion Ratio Lower Upper

198 100

51 181.4 37.7 77.7#

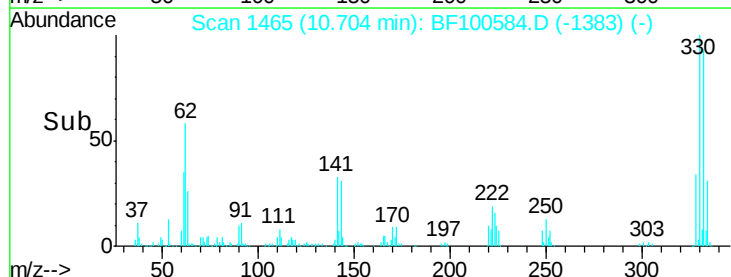
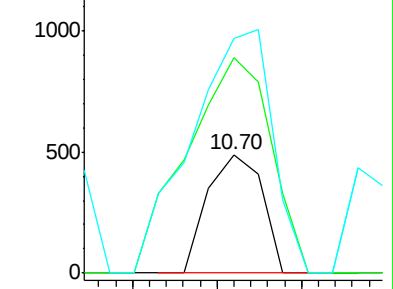
105 198.0 36.3 76.3#

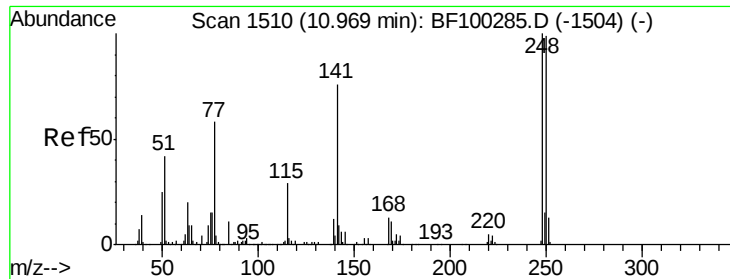


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

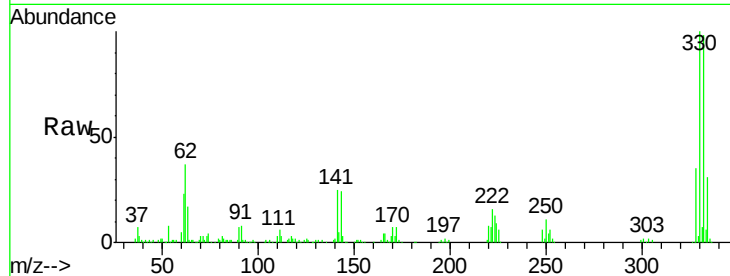




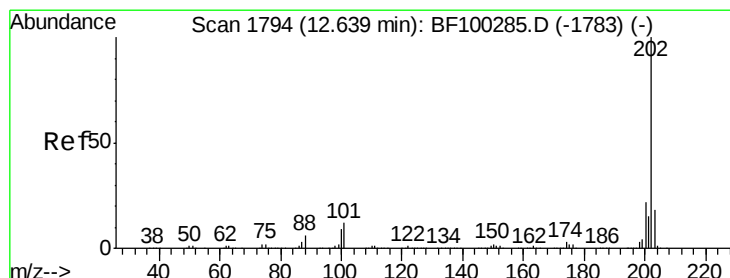
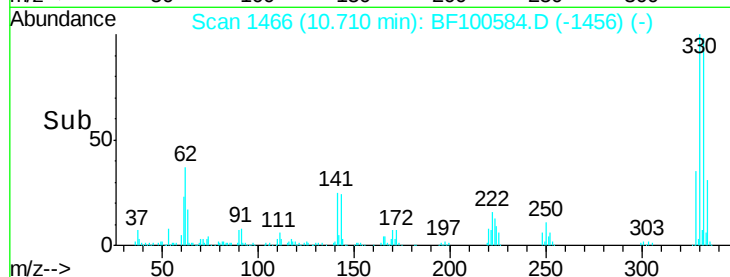
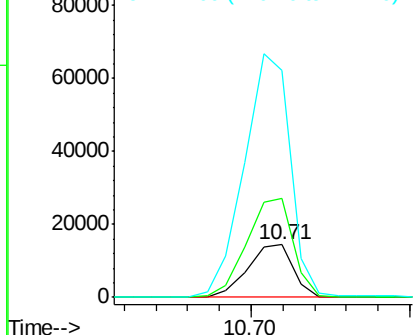
#66
 4-Bromophenyl-phenylether
 Concen: 3.265 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.24 min
 Lab File: BF100584.D
 Acq: 15 Nov 2017 13:29

Instrument :
 BNA_F
 ClientSampleId :
 153RD-63RD-ST-DRUM

Tgt Ion: 248 Resp: 14320
 Ion Ratio Lower Upper
 248 100
 250 188.8 76.9 115.3#
 141 432.2 74.4 111.6#

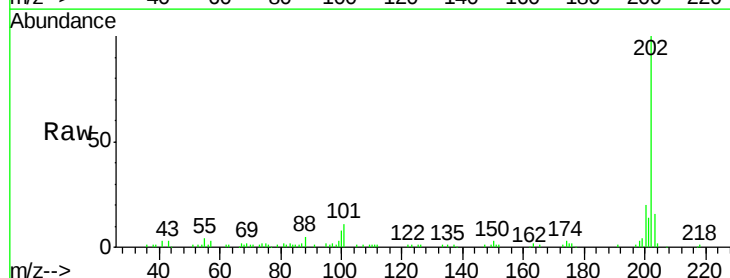


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

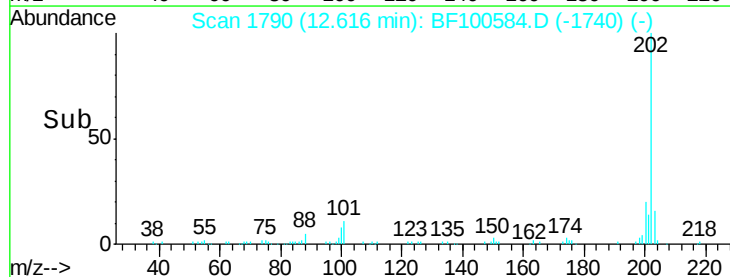
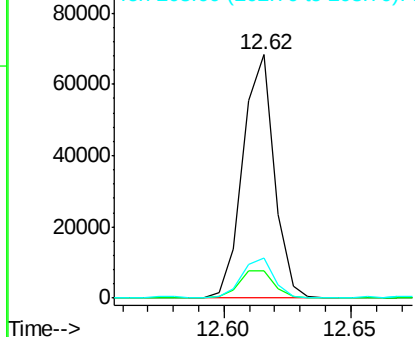


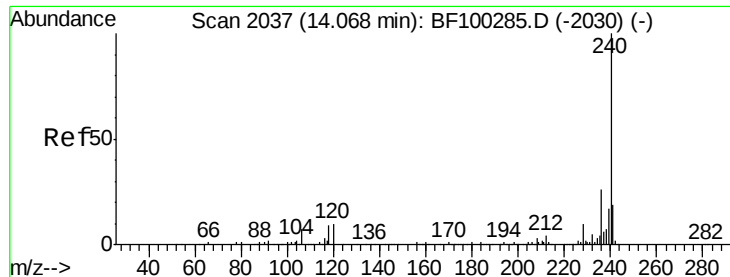
#74
 Fluoranthene
 Concen: 2.573 ng
 RT: 12.62 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: BF100584.D
 Acq: 15 Nov 2017 13:29

Tgt Ion: 202 Resp: 58736
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 34.1
 203 16.4 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF100584.D

Acq: 15 Nov 2017 13:29

Instrument :

BNA_F

ClientSampleId :

153RD-63RD-ST-DRUM

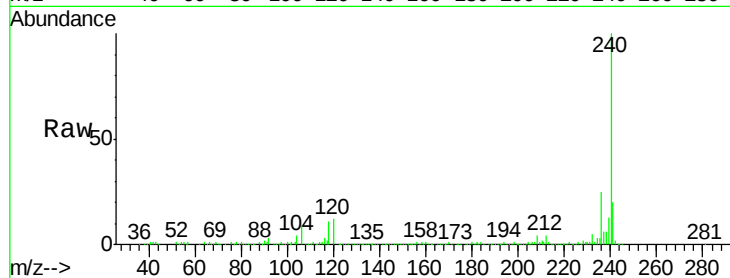
Tgt Ion:240 Resp: 285912

Ion Ratio Lower Upper

240 100

120 12.5 9.5 14.3

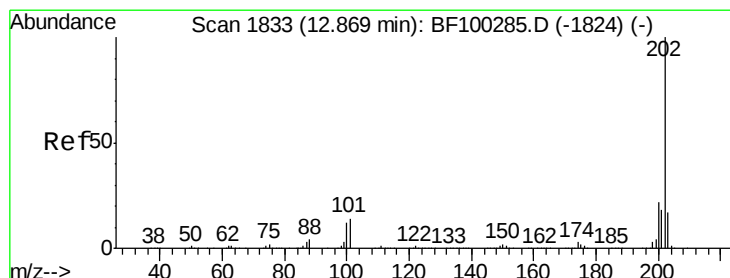
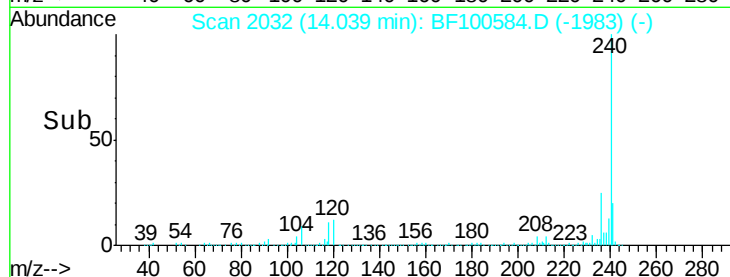
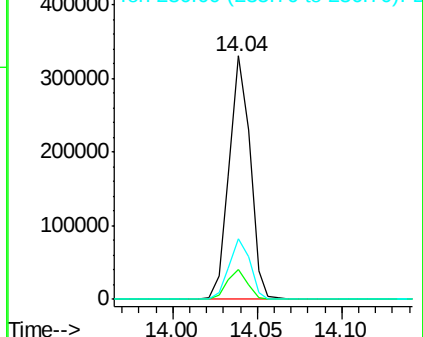
236 25.1 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 2.331 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF100584.D

Acq: 15 Nov 2017 13:29

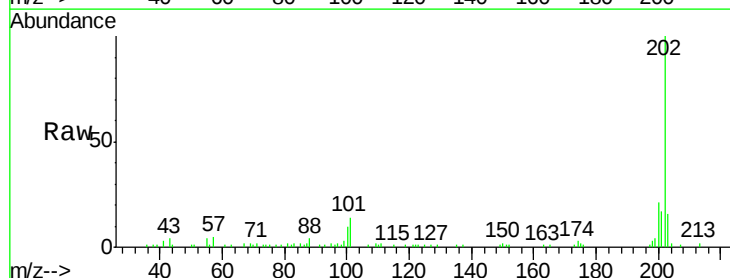
Tgt Ion:202 Resp: 47515

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

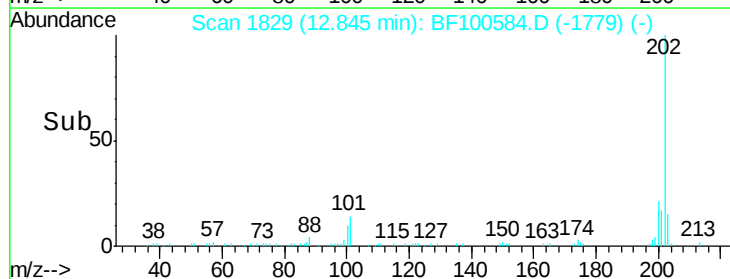
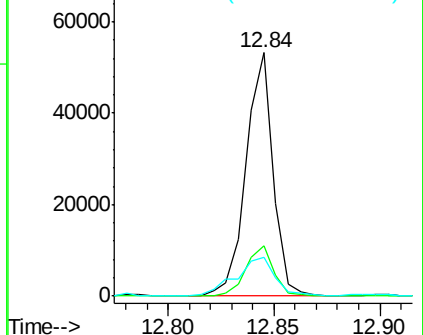
203 15.8 14.3 21.5

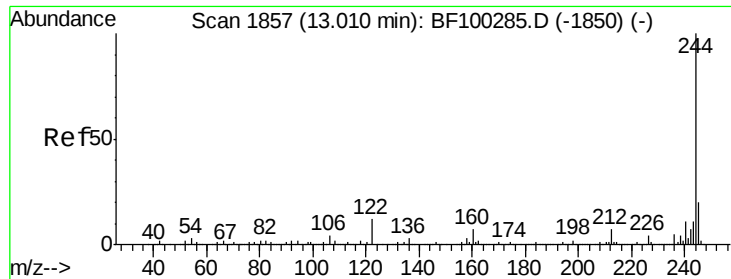


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

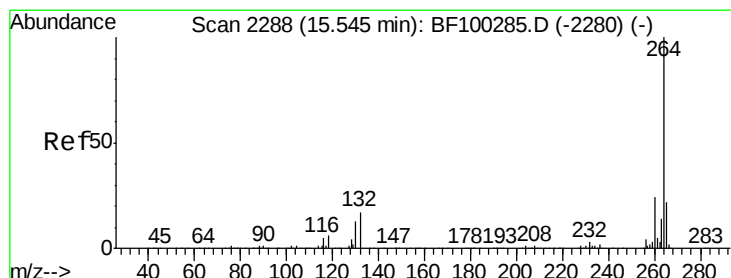
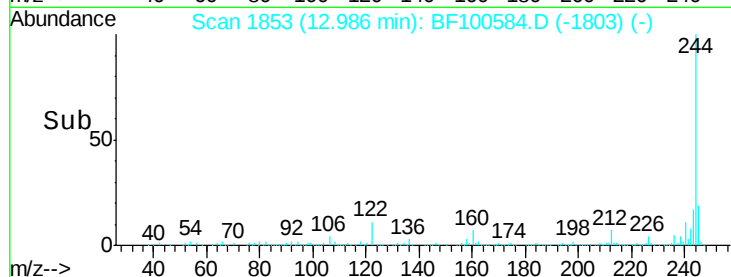
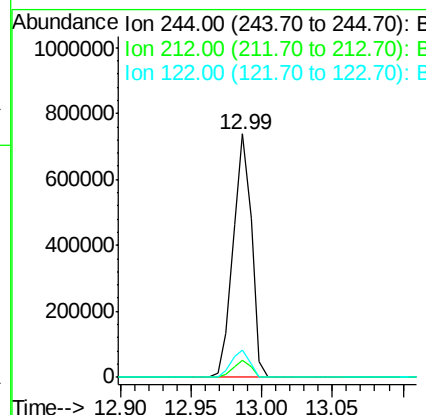
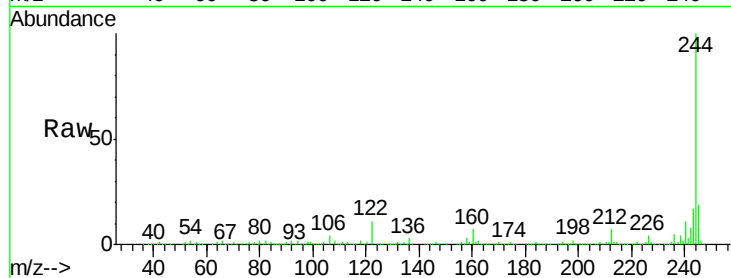




#78
 Terphenyl-d14
 Concen: 53.504 ng
 RT: 12.99 min Scan# 1853
 Delta R.T. -0.01 min
 Lab File: BF100584.D
 Acq: 15 Nov 2017 13:29

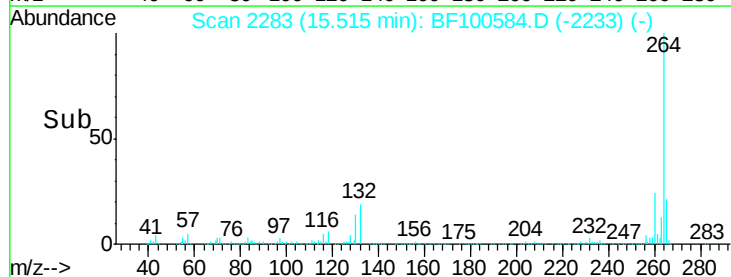
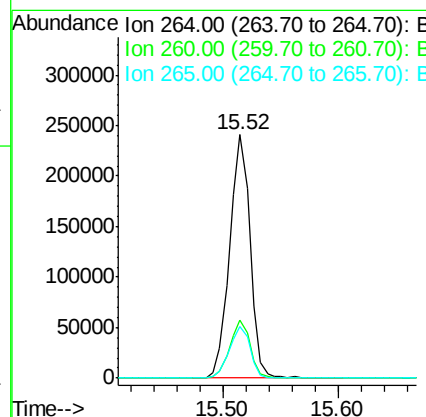
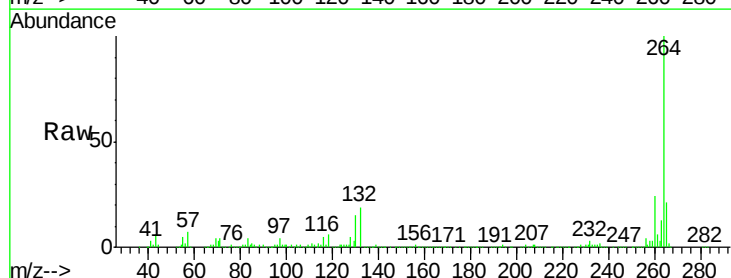
Instrument :
 BNA_F
 ClientSampleId :
 153RD-63RD-ST-DRUM

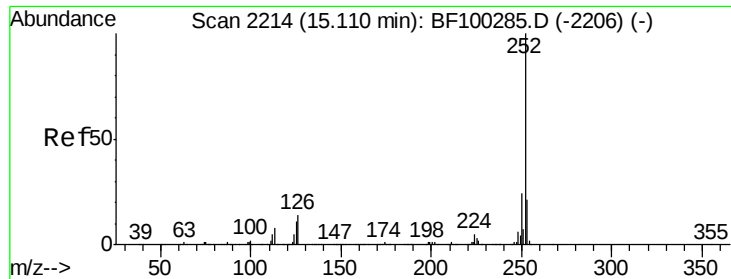
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	11.3	11.0	16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.52 min Scan# 2283
 Delta R.T. -0.01 min
 Lab File: BF100584.D
 Acq: 15 Nov 2017 13:29

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.4	17.5	26.3

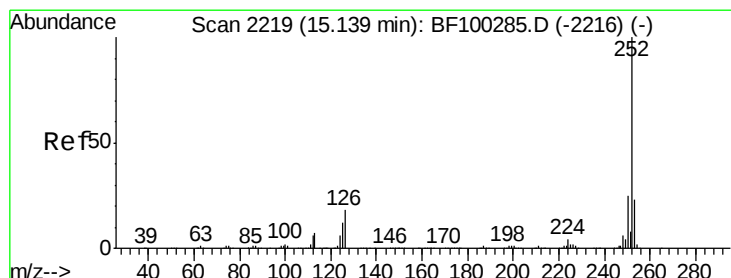
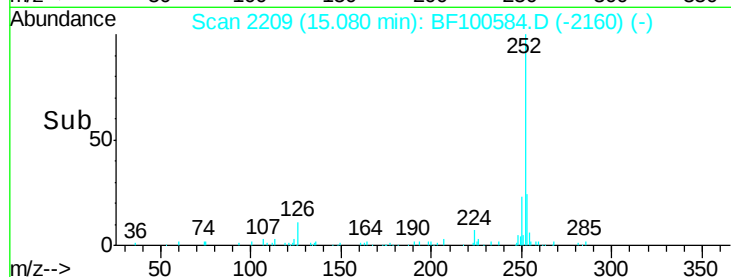
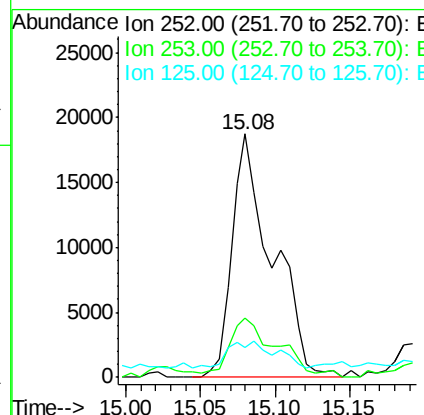
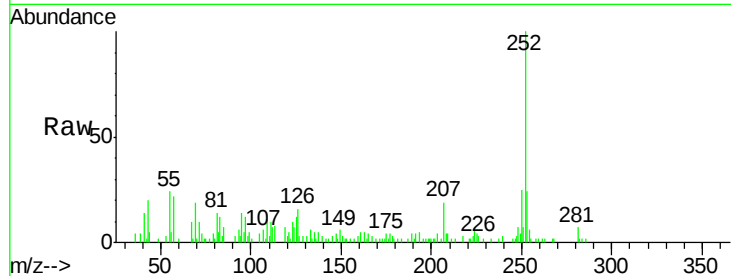




#87
Benzo(b)fluoranthene
Concen: 2.006 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF100584.D
Acq: 15 Nov 2017 13:29

Instrument :
BNA_F
ClientSampleId :
153RD-63RD-ST-DRUM

Tgt Ion:252 Resp: 35302
Ion Ratio Lower Upper
252 100
253 24.1 17.0 25.6
125 12.1 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 2.123 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.04 min
Lab File: BF100584.D
Acq: 15 Nov 2017 13:29

Tgt Ion:252 Resp: 35302
Ion Ratio Lower Upper
252 100
253 24.1 17.9 26.9
125 12.1 10.2 15.2

